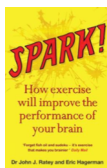




References

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The following are the main items I reference in my talk, “Let’s get physical: The brain/body connection.”



If you want to read a book on the topic, a very good place to start: Ratey, J. and Hagerman, E. (2008). *Spark!: How exercise will improve the performance of your brain*. London: Quercus.

Humans were meant to walk 10-20 km a day.

Medina, J. (2014) *Brain Rules*. Seattle, WA: Pear Press

Brain/body and neuron, dopamine, serotonin.

Young, E. (Dec. 18, 2012). “Gut instincts: The secrets of your second brain”. *The New Scientist*. Retrieved from <http://neurosciencestuff.tumblr.com/post/38271759345/gut-instincts-the-secrets-of-your-second-brain>

There is a build up of blood in the feet, lower legs and buttocks after 20 minutes. One minute of physical activity in increases blood/oxygen to the brain 15%.

Sousa, D. (2011) *How the Brain Learns*, Thousand Oaks, CA: Corwin Press.

When you get multi-sensory input your remember more and are 50-75% more creative at problem solving.

Medina, J. (2014) *Brain Rules*. Seattle, WA: Pear Press

Brain/body and neuron, dopamine, serotonin.

Young, E. (Dec. 18, 2012). “Gut instincts: The secrets of your second brain”. *The New Scientist*. Retrieved from <http://neurosciencestuff.tumblr.com/post/38271759345/gut-instincts-the-secrets-of-your-second-brain>

Moving together builds rapport.

Building rapport – establishing bonds. Retrieved from <http://www.mindtools.com/pages/article/building-rapport.htm>

Howard, P. (2000). *The Owner's Manual for The Brain: Everyday Applications from Mind-Brain Research*. Atlanta: Bard Press.

Energy Breaks

Helgesen, M. (May, 2015) "Energy Breaks: Physical Tasks for the Language Classroom." Pearson Japan e-newsletter. Retrieved from: <http://www.pearson.co.jp/en/english-energy-breaks-physical-tasks-for-the-language-classroom/> The free *Energy Break* PowerPoint downloads are available at <http://helgesenhandouts.weebly.com/physical-activity-in-the-elt-class.html>

Aerobic activity in rats leads to learning mazes 2-12 times faster.

Buchner, D. (n.d.) "The Surprising links between Physical Activity, Brain Health and Healthy Aging. *Department of Health and Human Services -USA – Centers for Disease Control and Prevention*. Retrieved from <http://depts.washington.edu/adrcweb/BuchnerPresentation061307.pdf>

People learn vocabulary faster after exercise.

Barker, E. (March 4, 2014) "How To Make Your Kids Smarter: 10 Steps Backed By Science." *TIME Magazine*. Retrieved from <http://time.com/12086/how-to-make-your-kids-smarter-10-steps-backed-by-science>.

The same study is referred to in the Ratey & Hagerman book, *Spark*, included at the top of this list.

Power Poses

Carney, D., Cuddy, A and Yap, A. (2010). "Power Posing: Brief Nonverbal Displays Affect Neuroendocrine Levels and Risk Tolerance." *Psychological Science*. XX(X) 1-6. Retrieved from

<http://pss.sagepub.com/content/21/10/1363.abstract>

Amy Cuddy's TED talk on the topic: Retrieved from:

http://www.ted.com/talks/amy_cuddy_your_body_language_shapes_who_you_are

Positive Self-Talk and Linguistic Self-Distancing

Kross, E. et al (2014) "Self-Talk as a Regulatory Mechanism: How You Do It Matters" *Journal of Personality and Social Psychology*, Vol. 106, No. 2, 304 – 324. Retrieved from: http://selfcontrol.psych.lsa.umich.edu/wp-content/uploads/2014/01/KrossJ_Pers_Soc_Psychol2014Self-talk_as_a_regulatory_mechanism_How_you_do_it_matters.pdf

For people with low self-esteem, "affirmations" can make things worse.

Wood, J., Perunovic, W.Q.E., & Lee, J. (2009). Positive self-statements: Power for some, peril for others. *Psychological Science*, 20(7), 860-866.

Things good language learners say to themselves.

Rost, M. (2005). *Generating Student Motivation*. Plenary Presentation at Thailand TESOL, January 20-22, 2005. Bangkok.

Relaxed people do up to 25% better on tests.

Jensen, E. (2008). *Brain-based learning*. Thousand Oaks, CA: Corwin Press.